Attorney Docket No. 10004-0004

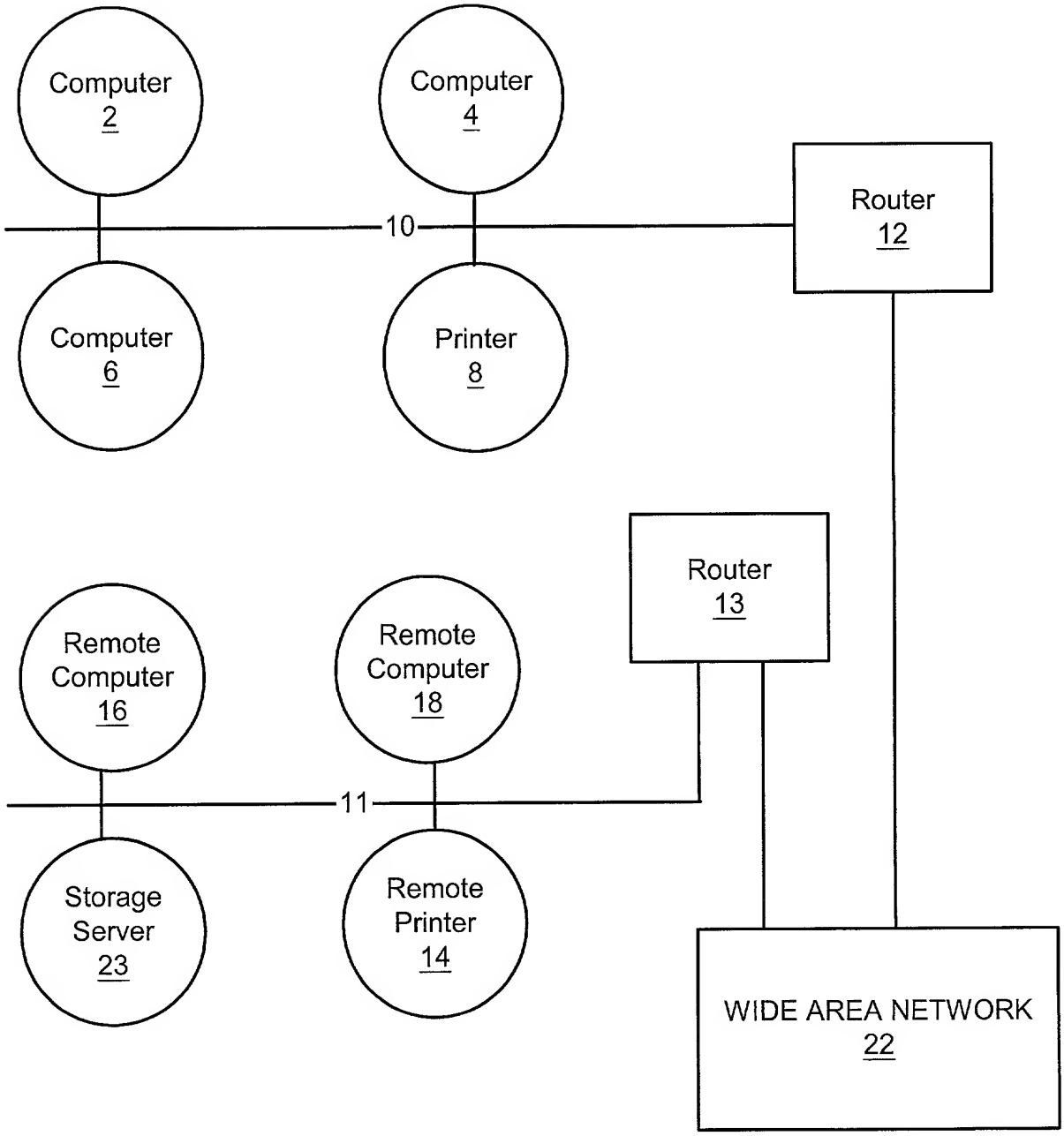

FIGURE 1
(PRIOR ART)

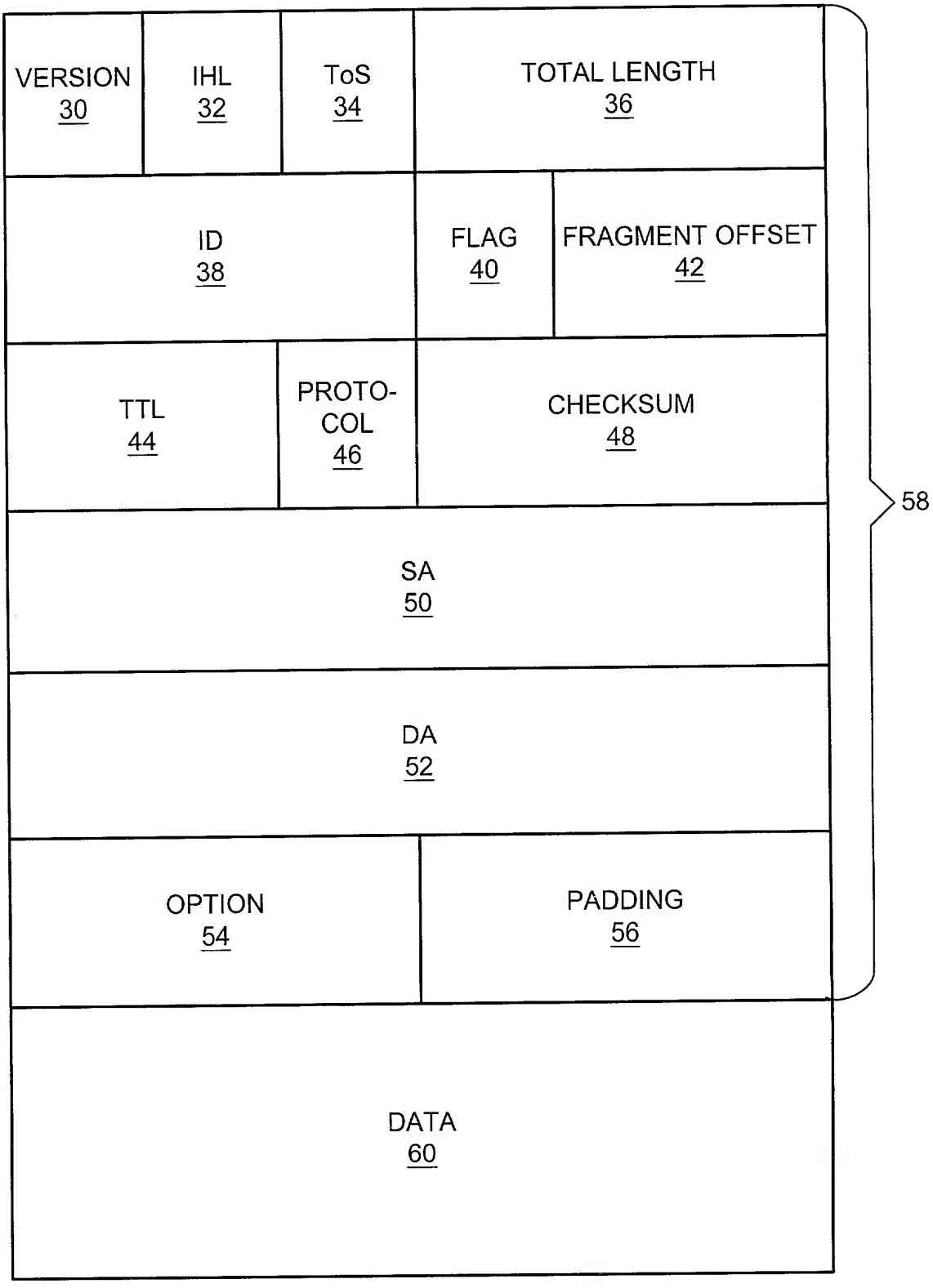

FIGURE 2
(PRIOR ART)

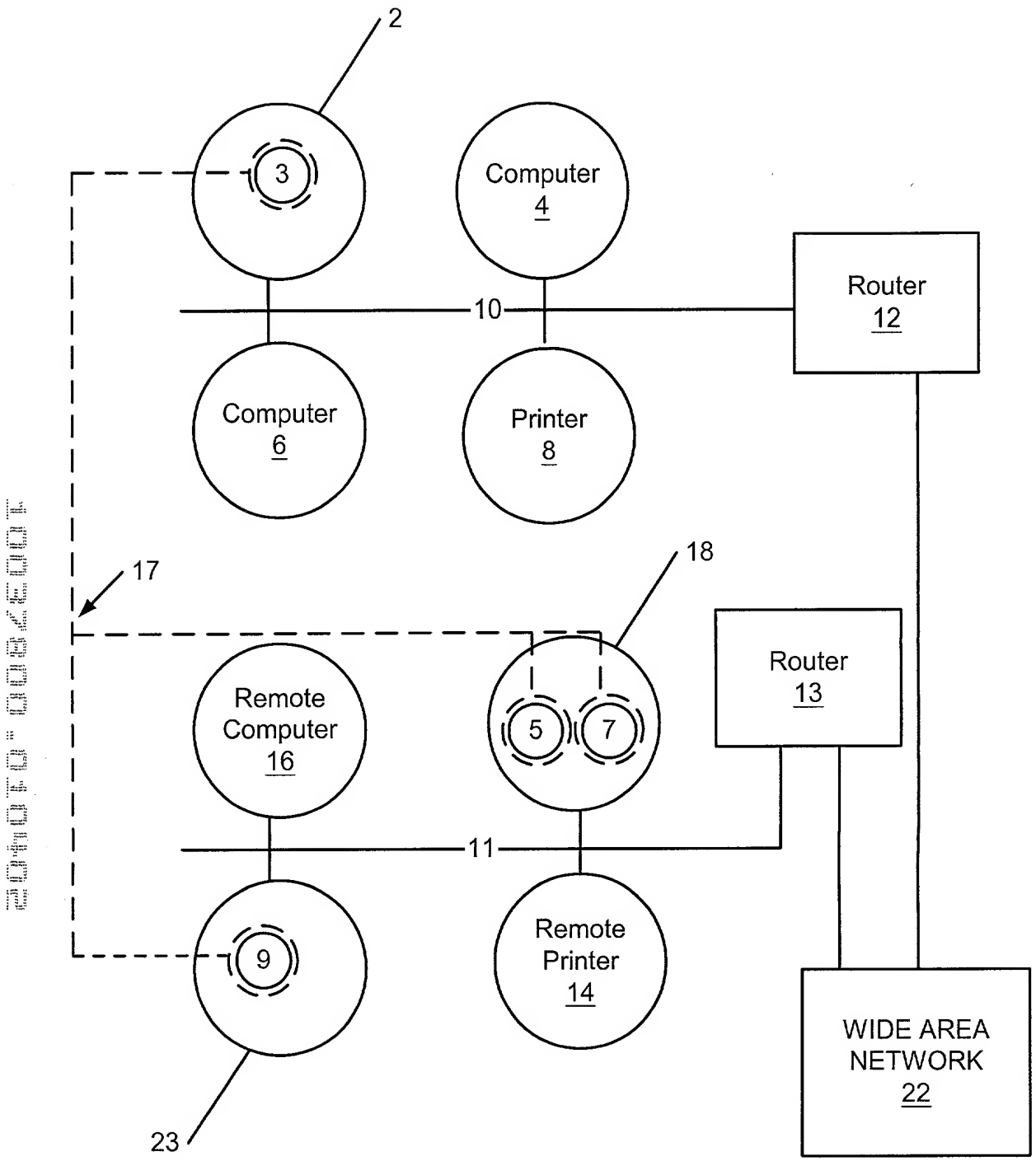

FIGURE 3
(PRIOR ART)

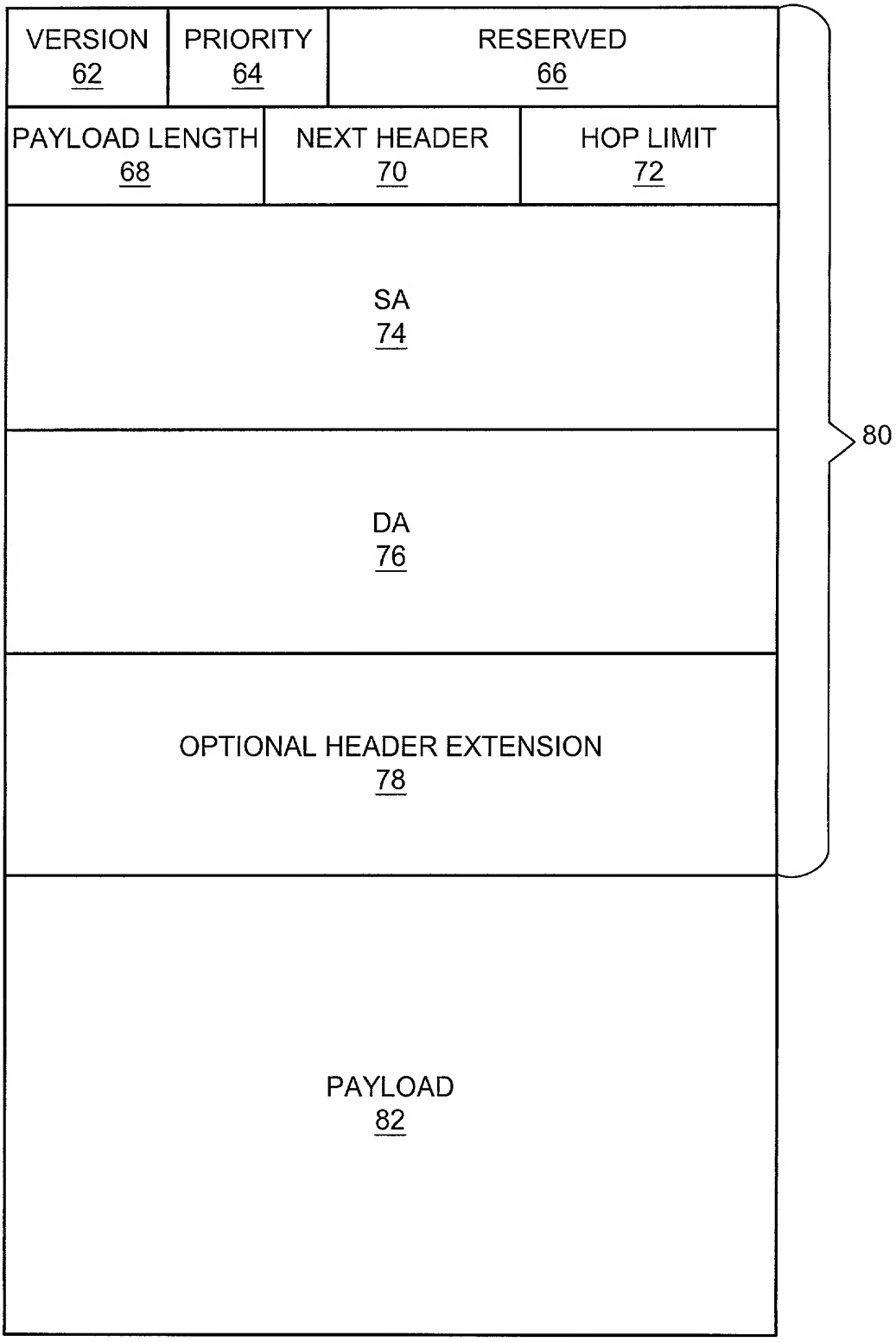

FIGURE 4
(PRIOR ART)

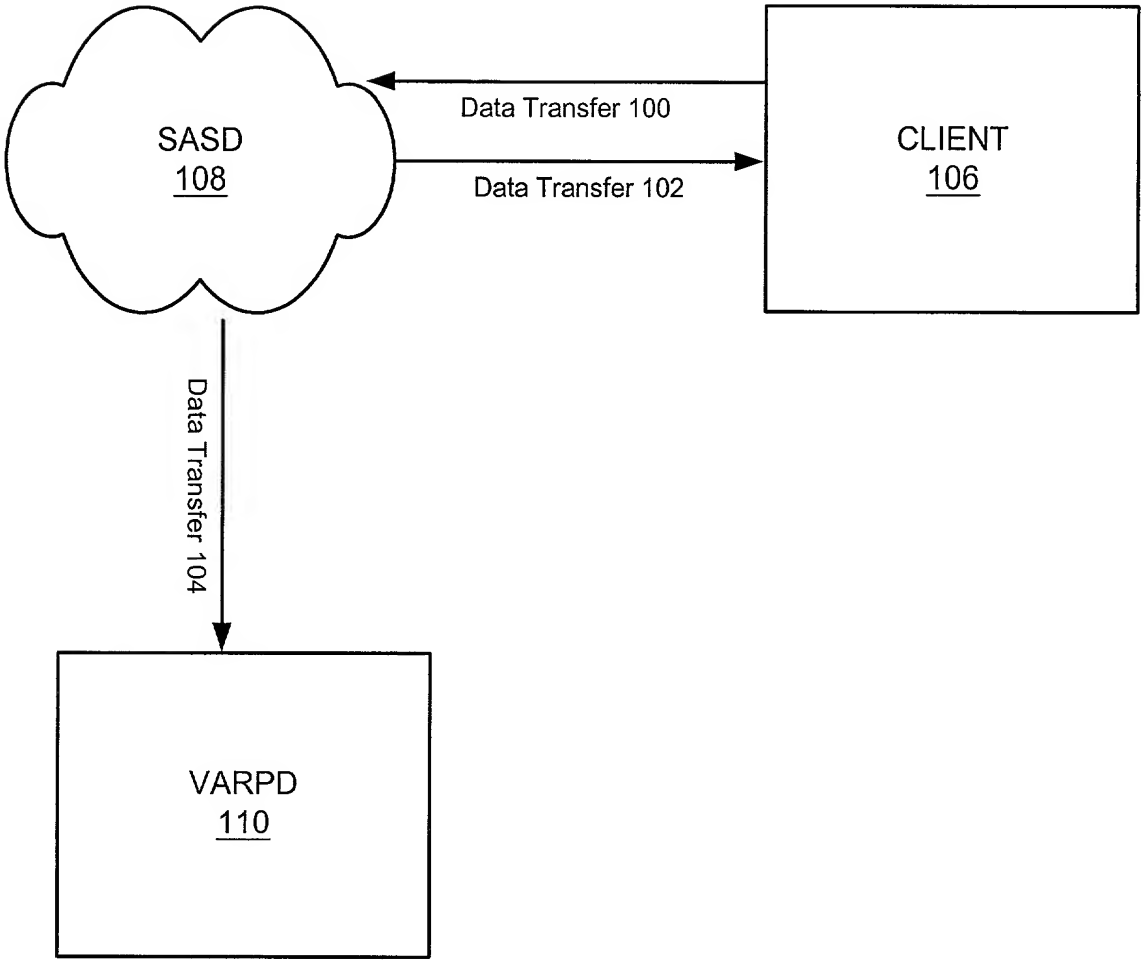
SASD
108
Data Transfer 100
Data Transfer 102
CLIENT
106
Data Transfer 104
VARPD
110

FIGURE 5

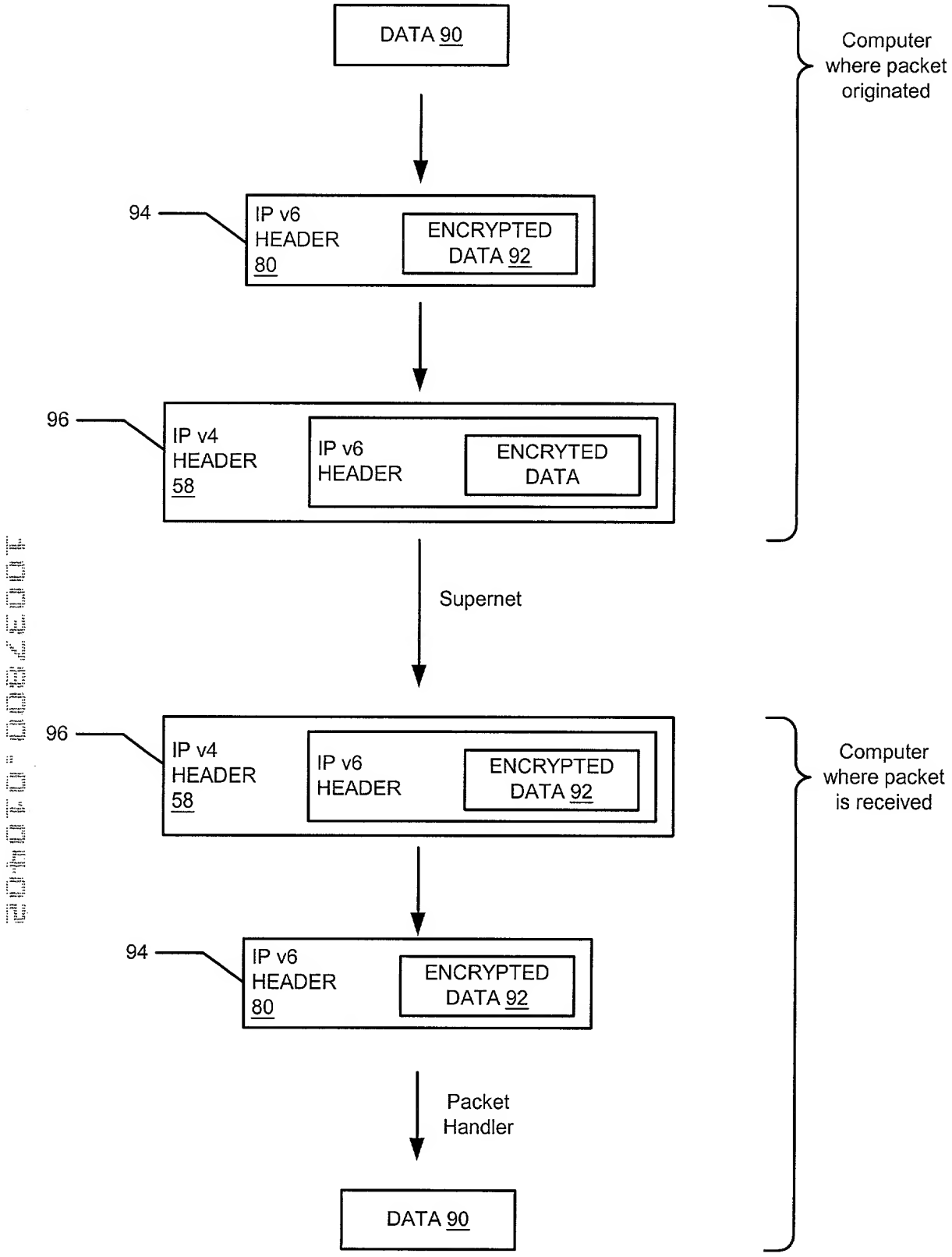
DATA 90
Computer where packet originated
94
IP v6 HEADER 80
ENCRYPTED DATA 92
96
IP v4 HEADER 58
IP v6 HEADER
ENCRYTED DATA
Supernet
96
IP v4 HEADER 58
IP v6 HEADER
ENCRYPTED DATA 92
Computer where packet is received
94
IP v6 HEADER 80
ENCRYPTED DATA 92
Packet Handler
DATA 90

FIGURE 6

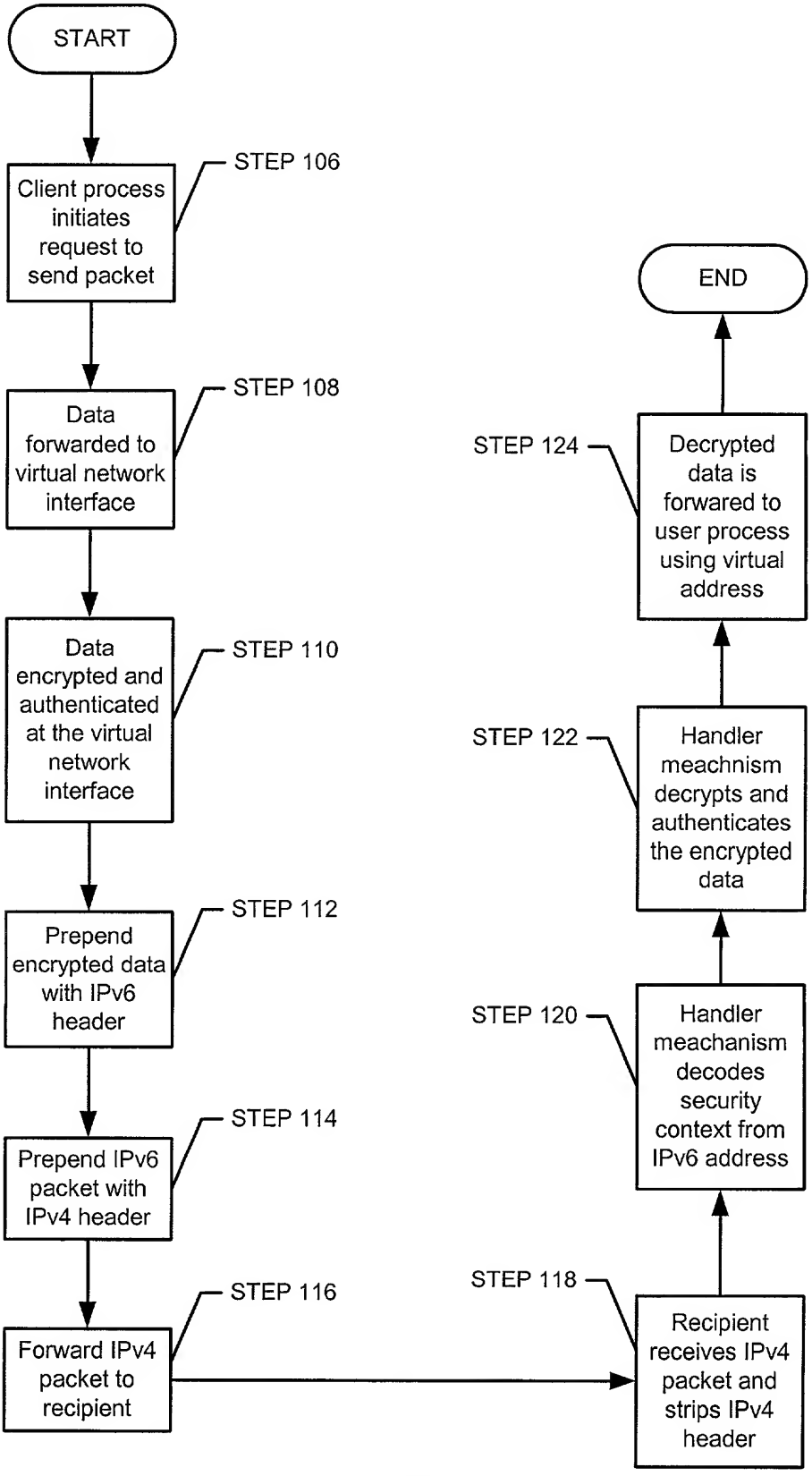
START
STEP 106
Client process initiates request to send packet
STEP 108
Data forwarded to virtual network interface
STEP 110
Data encrypted and authenticated at the virtual network interface
STEP 112
Prepend encrypted data with IPv6 header
STEP 114
Prepend IPv6 packet with IPv4 header
STEP 116
Forward IPv4 packet to recipient
STEP 118
Recipient receives IPv4 packet and strips IPv4 header
STEP 120
Handler meachanism decodes security context from IPv6 address
STEP 122
Handler meachnism decrypts and authenticates the encrypted data
STEP 124
Decrypted data is forwared to user process using virtual address
END

FIGURE 7